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1　A secure infrastructure for service discovery and access in pervasive computing
Jeffrey Undercoffer, Filip Perich, Andrej Cedilnik, Lalana Kagal, Anupam Joshi
April 2003　Mobile Networks and Applications,　Volume 8 Issue 2
Publisher: Kluwer Academic Publishers
Full text available: 📄 Pdf (308.34 KB)　Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 13,　Downloads (12 Months): 132,　Citation Count: 9

Security is paramount to the success of pervasive computing environments. The system presented in this paper provides a communications and security infrastructure that goes far in advancing the goal of anywhere-anytime computing. Our work securely enables ...

Keywords: distributed services, extensible markup language, pervasive computing, security, smartcards

2　A composable framework for secure multi-modal access to internet services from Post-PC devices
Steven J. Ross, Jason L. Hill, Michael Y. Chen, Anthony D. Joseph, David E. Culler, Eric A. Brewer
October 2002　Mobile Networks and Applications,　Volume 7 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: 📄 Pdf (340.33 KB)　Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 4,　Downloads (12 Months): 81,　Citation Count: 1

The Post-PC revolution is bringing information access to a wide range of devices beyond the desktop, such as public kiosks, and mobile devices like cellular telephones, PDAs, and voice base vehicle telematics. However, existing deployed Internet services ...

Keywords: internet, middleware, post-PC, security, transcoding

3　A flexible content and context-based access control model for multimedia medical image database systems
Sofia K. Tzelepi, Dimitrios K. Koukopoulos, George Pangalos
October 2001　MM&Sec '01: Proceedings of the 2001 workshop on Multimedia and security: new challenges
Publisher: ACM
Full text available: 📄 Pdf (461.82 KB)　Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 91, Citation Count: 0

In many health care information systems medical images are an important part of the multimed medical patient record. Most of the work on multimedia medical images security until now has focused on cryptographic approaches. While valuable, cryptography ...

4   Java object-sharing in Habanero
Annie Chabert, Ed Grossman, Larry S. Jackson, Stephen R. Pietrowiz, Chris Seguin
June 1998 Communications of the ACM,  Volume 41 Issue 6
Publisher: ACM
Full text available: Pdf (777.95 KB)    Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 36, Citation Count: 33

5   Integration of QoS-Enabled Distributed Object Computing Middleware for Developing Next Generation Distributed Application
Yamuna Krishnamurthy, Vishal Kachroo, David A. Karr, Craig Rodrigues, Douglas C. Schmidt
August 2001 LCTES '01: Proceedings of the ACM SIGPLAN workshop on Languages, compilers and tools for embedded systems
Publisher: ACM
Full text available: Pdf (810.15 KB)    Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 59, Citation Count: 3

This paper describes the integration of QoS-enabled distributed object computing (DOC) middleware for developing next-generation distributed applications. QoS-enabled DOC middlewa facilitates ease of development and deployment of applications that ...

6   A role-based access control model and reference implementation within a corporate intrane
David F. Ferraiolo, John F. Barkley, D. Richard Kuhn
February 1999 ACM Transactions on Information and System Security (TISSEC),  Volume 2 Issu
1
Publisher: ACM
Full text available: Pdf (252.60 KB)    Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 316, Citation Count: 53

This paper describes NIST's enhanced RBAC model and our approach to designing and implementing RBAC features for networked Web servers. The RBAC model formalized in this pap is based on the properties that were first described in Ferraiolo and Kuhn ...

Keywords: RBAC, Web arrows, World Wide Web, access control, authorization management, rc based access

7   Using activeX data objects to publish an Excel grade book on the World Wide Web
Kevin R. Burger
April 2001  Proceedings of the twelfth annual CCSC South Central conference on The journal of computing in small colleges
Publisher: Consortium for Computing Sciences in Colleges
Full text available: Pdf (204.75 KB)    Additional Information: full citation, abstract, references, index terms

The World Wide Web is recognized as an ideal grade publishing medium. In this paper, several goals for a web-publishable grade book system are discussed. We reviewed several existing systems but found that none achieved all the goals. A system is described ...

8  The BTRC Bluetooth remote control system
Fridtjof Feldbusch, Alexander Paar, Manuel Odendahl, Ivan Ivanov
July 2003   Personal and Ubiquitous Computing,  Volume 7 Issue 2
Publisher: Springer-Verlag
Full text available:  Pdf (847.16 KB)      Additional Information: full citation, abstract, references, index terms

AbstractEmerging radio technologies like WLAN and Bluetooth enable electronic devices of any kind to communicate with one another. A simple and easy to implement application layer protoc called BTRC protocol was developed allowing devices to exchange ...

Keywords: Bluetooth, Protocol, Remote control

9  Transcoding proxy for nonvisual web access
Hironobu Takagi, Chieko Asakawa
November 2000 Assets '00: Proceedings of the fourth international ACM conference on Assistive
            technologies
Publisher: ACM
Full text available:  Pdf (423.61 KB)      Additional Information: full citation, references, cited by, index terms

Keywords: Web accessibility, annotations, blind, differential, portal, transcoding

10  WiFi access point pricing as a dynamic game
John Musacchio, Jean Walrand
April 2006  IEEE/ACM Transactions on Networking (TON),  Volume 14 Issue 2
Publisher: IEEE Press
Full text available:  Pdf (524.55 KB)      Additional Information: full citation, abstract, references, index terms

We study the economic interests of a wireless access point owner and his paying client, and mo their interaction as a dynamic game. The key feature of this game is that the players have asymmetric information-the client knows more than the access ...

Keywords: WiFi pricing, game theory, network pricing

11  A remote monitoring and control of home appliances on ubiquitous smart homes
Seong Joon Lee, Yong Hwan Kim, Sung Soo Kim, Kwang Seon Ahn
February 2008 MOBILWARE '08: Proceedings of the 1st international conference on MOBILe Wirele
            MiddleWARE, Operating Systems, and Applications
Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)
Full text available:  Pdf (585.63 KB)      Additional Information: full citation, abstract, references, index terms

The goal in this paper is to design and implement the service agent society mechanism of home network community by using Jini platform. On Ubiquitous smart homes environment, this mechanism can make various services to be used among service agents. ...

Keywords: information appliances, interaction techniques, ubiquitous computing, universal remote control, user participation

12 An instrumentation and control-based approach for distributed application management and adaptation
D. Reilly, A. Taleb-Bendiab, A. Laws, N. Badr
November 2002 WOSS '02: Proceedings of the first workshop on Self-healing systems
Publisher: ACM
Full text available: 📄 Pdf (86.37 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Distributed applications are notoriously difficult to develop and manage due to their inherent dynamics and heterogeneity of component technologies and network protocols. Middleware technologies dramatically simplify the development of distributed applications, ...

Keywords: control, dependency management, instrumentation, jini technology, middleware

13 Modeling and simulation of mobile gateways interacting with wireless sensor networks
F. Fummi, D. Quaglia, F. Ricciato, M. Turolla
March 2006 DATE '06: Proceedings of the conference on Design, automation and test in Europe: Designers' forum
Publisher: European Design and Automation Association
Full text available: 📄 Pdf (159.89 KB)   Additional Information: full citation, abstract, references

Sensor networks are emerging wireless technologies; their integration with the existing 2.5G, 3( mobile networks is a key issue to provide advanced services, e.g., health control. However this integration poses new challenges in the design and simulation ...

14 Utility-based rate control in the Internet for elastic traffic
Richard J. La, Venkat Anantharam
April 2002 IEEE/ACM Transactions on Networking (TON), Volume 10 Issue 2
Publisher: IEEE Press
Full text available: 📄 Pdf (501.09 KB)   Additional Information: full citation, abstract, references, cited by, index terms

In a communication network, a good rate allocation algorithm should reflect the utilities of the users while being fair. We investigate this fundamental problem of achieving the system optima rates in the sense of maximizing aggregate utility, in a ...

Keywords: efficiency, fairness, rate allocation

15 Integration of QoS-Enabled Distributed Object Computing Middleware for Developing Next Generation Distributed Application

Yamuna Krishnamurthy, Vishal Kachroo, David A. Karr, Craig Rodrigues, Douglas C. Schmidt
August 2001 ACM SIGPLAN Notices, Volume 36 Issue 8
Publisher: ACM
Full text available: Pdf (810.15 KB)     Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7,  Downloads (12 Months): 59,  Citation Count: 3
This paper describes the integration of QoS-enabled distributed object computing (DOC)
middleware for developing next-generation distributed applications. QoS-enabled DOC middlewa
facilitates ease of development and deployment of applications that ...


16  A comparison of overlay routing and multihoming route control
Aditya Akella, Jeffrey Pang, Bruce Maggs, Srinivasan Seshan, Anees Shaikh
August 2004 ACM SIGCOMM Computer Communication Review, Volume 34 Issue 4
Publisher: ACM
Full text available: Pdf (1.07 MB)     Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 10,  Downloads (12 Months): 123,  Citation Count: 16
The limitations of BGP routing in the Internet are often blamed for poor end-to-end performance
and prolonged connectivity interruptions. Recent work advocates using overlays to effectively
bypass BGP's path selection in order to improve performance ...

Keywords: multihoming, overlay routing, route control


17  A comparison of overlay routing and multihoming route control
Aditya Akella, Jeffrey Pang, Bruce Maggs, Srinivasan Seshan, Anees Shaikh
August 2004 SIGCOMM '04: Proceedings of the 2004 conference on Applications, technologies,
        architectures, and protocols for computer communications
Publisher: ACM
Full text available: Pdf (1.07 MB)     Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 10,  Downloads (12 Months): 123,  Citation Count: 16
The limitations of BGP routing in the Internet are often blamed for poor end-to-end performance
and prolonged connectivity interruptions. Recent work advocates using overlays to effectively
bypass BGP's path selection in order to improve performance ...

Keywords: multihoming, overlay routing, route control


18  Fractal summarization for mobile devices to access large documents on the web
Christopher C. Yang, Fu Lee Wang
May 2003  WWW '03: Proceedings of the 12th international conference on World Wide Web
Publisher: ACM
Full text available: Pdf (317.55 KB)     Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 9,  Downloads (12 Months): 112,  Citation Count: 11
Wireless access with mobile (or handheld) devices is a promising addition to the WWW and
traditional electronic business. Mobile devices provide convenience and portable access to the
huge information space on the Internet without requiring users to ...

Keywords: document summarization, fractal summarization, handheld devices, mobile
commerce

19 High-performance remote access to climate simulation data: a challenge problem for data grid technologies

Bill Allcock, Ian Foster, Veronika Nefedova, Ann Chervenak, Ewa Deelman, Carl Kesselman, Jason Lee, Alex Sim, Arie Shoshani, Bob Drach, Dean Williams
November 2001 Supercomputing '01: Proceedings of the 2001 ACM/IEEE conference on Supercomputing (CDROM)
Publisher: ACM

Full text available: Pdf (1.19 MB)        Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 40, Citation Count: 17

In numerous scientific disciplines, terabyte and soon petabyte-scale data collections are emerging as critical community resources. A new class of Data Grid infrastructure is required to support management, transport, distributed access to, and analysis ...

20 A service-centric approach to access control and monitoring based on distributed trust

Jimmy McGibney, Dmitri Botvich
October 2007 CASCON '07: Proceedings of the 2007 conference of the center for advanced studies on Collaborative research
Publisher: ACM

Full text available: Pdf (262.54 KB)        Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 80, Citation Count: 0

A service-oriented approach to dynamic refinement of security enforcement is described in this paper. This is based on a closed loop feedback system where live distributed trust measures are used to adapt access control settings in a changing threat ...